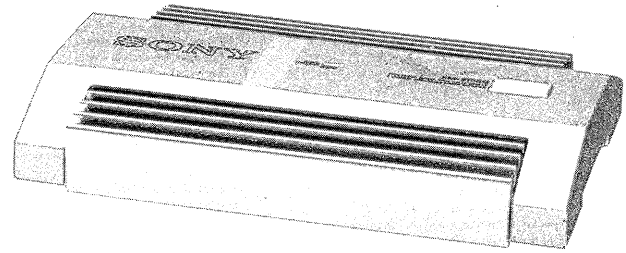
XM-2100G

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model



SPECIFICATIONS

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION 100 watts per channel minimum continuous average power into 4 ohms, both channels driven from 20 – 20,000 Hz with no more than 0.03 % total harmonic distortion per Car Audio Ad Hoc Committee standards.

Other Specifications

Circuit system: OTL (output transformerless) circuit
Pulse power supply
Inputs: RCA pin jacks
Outputs: Speaker terminals
Speaker impedance: 1 – 8 ohms (stereo)
2 – 8 ohms (when used as a bridging amplifier)
Rataed outputs power at 4 ohms
100 watts per channel (20 – 20,000 Hz, 0.03% THD, at 4 ohms)
180 watts per channel (20 – 20,000 Hz, 0.08% THD, at 2 ohms)
210 watts per channel (20 – 20,000 Hz, 0.1% THD, at 1 ohms)
Maximum outputs
230 watts per channel (at 4 ohms)
380 watts per channel (at 2 ohms)
500 watts per channel (at 1 ohms)
750 watts (monaural) at 4 ohms
1000 watts (monaural) at 2 ohms

Frequency response: 5 Hz – 100 kHz ($^{+0}_{-3}$ dB)
Harmonic distortion: 0.003 % or less (at 1 kHz, 4 ohms)
Input level adjustment range: 0.2 – 2 V
Low boost: 0 – 10 dB (40 Hz)
Power requirements: 12 V DC car battery (negative ground)
Power supply voltage: 10.5 – 16 V
Current drain: at rated output: 27 A (4 ohms, 100 watts x 2)
at 10% THD: 32 A
Remote input: 5 mA
Dimensions: Approx. 230 × 60 × 360 mm (w/h/d) ($9\,^1/_8 \times 2\,^3/_8 \times 14\,^1/_4$ inches) not incl. projecting parts and controls
Mass: Approx. 4.5 kg (9 lb. 150 oz.) not incl. accessories
Supplied accessories: Mounting screws (4)
Remote control lead (1)

Design and specifications are subject to change without notice.

使用時は添付資料も参照のこと
Refer to the additional documents

STEREO POWER AMPLIFIER

SONY®

SECTION 1
GENERAL

This section is extracted from instruction manual.

Precautions

- This unit is designed for negative ground 12 volt DC operation only.
- Use speakers with an impedance of 1 to 8 ohms. (2 to 8 ohms when used as a bridging amplifier)
- Do not connect any active speakers (with built-in amplifiers) to the speaker terminals of the unit. Doing so may damage the active speakers. Therefore, be sure to connect the passive speakers to these terminals.
- Avoid installing the unit where:
  - — it would be subject to high temperatures, such as from direct sunlight or hot air from the heater
  - — it would be exposed to rain or moisture
  - — it would be subject to dust or dirt.
- If your car is parked in direct sunlight and there is a considerable rise in temperature inside the car, allow the unit to cool off before operating.
- When installing the unit horizontally, be sure not to cover the fins with the floor carpet etc.
- If this unit is placed too close to the car radio, an interference may occur. In this case, separate the amplifier from the car radio.
- If no power is being supplied to the cassette player or tuner, check the connections.
- This power amplifier employs a **protection circuit*** to protect the transistors and speakers if the amplifier malfunctions. Do not attempt to test the protection circuits by covering the heat sink or connecting improper loads.
- Do not use the unit on a weak battery as its optimum performance depends on a good power supply.
- For safety reasons, keep the volume of your car audio moderate so that you can still hear the sound outside your car.

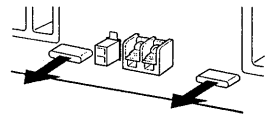
If you have any questions or problems concerning your unit that are not covered in this manual, please consult your nearest Sony dealer.

Fuse Replacement

If the fuse blows, check the power connection and replace the fuse. If the fuse blows again after the replacement, there may be an internal malfunction. In this case, consult your nearest Sony dealer.

Warning

Use the specified fuse with correct amperage. Use of a fuse with higher amperage rating may cause serious damage to the unit.

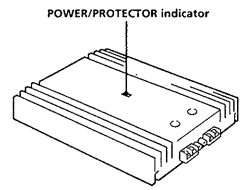


*** Protection circuit**

This amplifier is provided with a protection circuit which operates in the following cases when:

- — the unit is overheated
- — a DC current is generated
- — the speaker terminals are short circuited.

The color of the POWER/PROTECTOR indicator will change from green to red and the unit will shut down. If this happens, turn off the connected equipment and take out the cassette tape or disc and determine the cause of the malfunction. If the amplifier has overheated, wait until the unit cools off.



Précautions

- Cet appareil est conçu pour fonctionner uniquement sur courant continu de 12 volts avec masse négative.
- Utilisez des haut-parleurs d'une impédance de 1 à 8 ohms (2 à 8 ohms lors de l'utilisation comme amplificateur en pont).
- Ne raccordez pas de haut-parleurs actifs (avec amplificateur intégré) aux bornes de haut-parleurs de cet appareil, elles pourraient être endommagées. Veillez à ne raccorder que des haut-parleurs passifs à ces bornes.
- N'exposez pas l'appareil:
  - — à des températures élevées, comme en plein soleil ou près de la sortie d'air chaud du chauffage;
  - — à l'humidité ou à la pluie;
  - — à la poussière ou à la saleté.
- Si votre voiture était garée en plein soleil et que la température a considérablement augmenté à l'intérieur, laissez refroidir l'appareil avant de l'utiliser.
- Si vous installez l'appareil à l'horizontale, ne recouvrez pas les ailettes de ventilation par le tapis ou autre chose.
- Si cet appareil est placé trop près de l'autoradio, des interférences risquent de se produire. Eloignez autant que possible l'amplificateur de l'autoradio.
- Si le lecteur de cassette ou le tuner ne sont pas alimentés, vérifiez tout d'abord les connexions.
- Cet amplificateur est équipé d'un **circuit* destiné à protéger** les transistors et les haut-parleurs en cas de défaillance. N'essayez pas de tester l'efficacité de ce circuit en recouvrant les dissipateurs thermiques ou en effectuant des connexions inadéquates.
- N'utilisez pas l'appareil sur une batterie faible, car sa performance maximale dépend d'une bonne alimentation en électricité.
- Pour des raisons de sécurité, écoutez l'autoradio à un volume modéré afin d'entendre les bruits extérieurs.

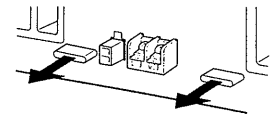
Pour toute question ou problème qui ne serait pas traité dans ce manuel, consultez votre concessionaire Sony.

Remplacement du fusible

Si le fusible saute, vérifiez les connexions du fil d'alimentation et remplacez le fusible. S'il saute de nouveau, un mauvais circuit interne peut en être la cause. Dans ce cas, consultez votre concessionnaire Sony.

Avertissement

Utilisez un fusible d'ampérage correct. L'utilisation d'un fusible d'ampérage plus élevé peut endommager l'appareil.

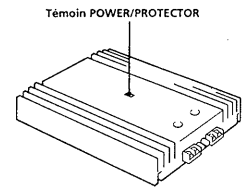


*** Circuit de protection**

Cet amplificateur est équipé d'un circuit de protection qui entre en service dans les cas suivants:

- — Surchauffe de l'appareil
- — Production d'un courant continu
- — Court-circuit aux bornes des haut-parleurs.

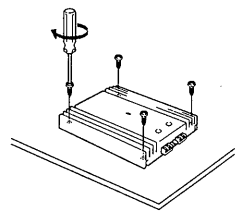
La couleur du témoin POWER/PROTECTOR passe du vert au rouge et l'appareil s'éteint. Si le cas se présente, coupez l'alimentation de l'appareil raccordé et sortez la cassette ou le disque compact avant d'examiner la cause de la défaillance. Si l'amplificateur est trop chaud, attendez qu'il refroidisse.



Installation

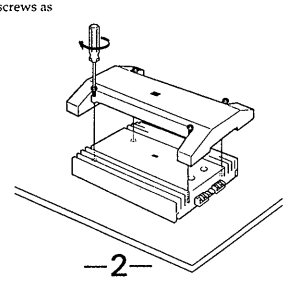
Before Installation

- Mount the unit either inside the trunk room or under a seat.
- Choose the mounting location carefully so that the unit will not interfere with the normal driving functions of the driver and it will not be exposed to direct sunlight or hot air from the heater.
- Do not install the unit under the floor carpet, where the heat dissipation from the unit will be considerably impaired.



Firstly, use the template printed on the back of the carton to mark the positions of the four screw holes on the surface of the mounting board (not supplied). Then drill the holes whose diameter should be approximately 3 millimeters (mm) and mount the unit onto the board with the supplied mounting screws. The supplied mounting screws are 15 mm long. Therefore, make sure that the mounting board is thicker than 15 mm.

After all the connections are completed, place the cover on the unit with the supplied screws as shown below.



Installation

Avant l'installation

- Installez l'appareil dans le coffre ou sous un siège.
- Choisissez avec soin l'emplacement de sorte que l'appareil ne gêne pas les mouvements du conducteur et qu'il ne soit pas exposé au soleil ou à l'air chaud du chauffage.
- N'installez pas l'appareil sous le tapis de sol car la dissipation thermique ne pourrait pas se faire correctement.

Utilisez le gabarit imprimé au dos du carton pour marquer la position des quatre trous sur la plaque de montage (non fournie). Percez des trous d'environ 3 millimètres (mm) de diamètre, puis fixez l'appareil à l'aide des vis fournies. Celles-ci font 15 mm de long, vérifiez, par conséquent, que la plaque fait au moins 15 mm d'épaisseur.

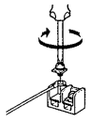
Une fois que toutes les connexions sont terminées, installez le cache sur l'appareil à l'aide des vis fournies, comme illustré ci-dessous.

Connections

Caution

- Before making any connections, disconnect the ground terminal of the car battery to avoid short circuits.
- Be sure to use speakers with adequate power handling capacities. If you use speakers with small capacity, they will be damaged.
- Do not connect the ⊖ terminal of the speaker system with the car chassis, and do not connect the ⊖ terminal of the right speaker with that of the left speaker.
- Run the input and output cords away from the power supply lead as running them closely can generate some interference noise.
- This unit is a high powered amplifier. Therefore, it may not perform its full potential if used with the existing speaker leads supplied to the car.
- If your car is equipped with a computer system for navigation or some other purposes, be sure not to remove the ground wire from the car battery. If you disconnect the wire, the memory of the computer may be erased. To avoid short circuits when making connections, connect the +12 volt power supply lead only after all the other leads have been connected.

Make the terminal connections as illustrated below.



When you tighten the screw, be careful not to apply too much torque* as doing so may damage the screw.

* The torque value should be less than 1 N•m.

Connexions

Attention

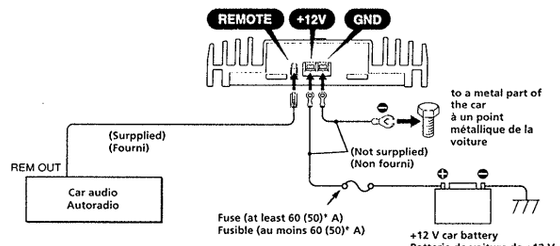
- Avant d'effectuer les connexions, débranchez le fil de masse de la borne de la batterie pour éviter un courts-circuit.
- Utilisez des haut-parleurs d'une capacité adéquate. Si vous utilisez des haut-parleurs de faible capacité, ils risquent d'être endommagés.
- Ne raccordez pas la borne ⊖ des haut-parleurs à la carrosserie de la voiture ni la borne ⊖ du haut-parleur droit à celle du haut-parleur gauche.
- Eloignez les cordons d'entrée et de sortie du fil d'alimentation électrique pour éviter que des interférences ne se produisent.
- Cet appareil est un amplificateur de haute puissance et il peut ne pas atteindre sa puissance maximale si les cordons de haut-parleurs originaux de la voiture lui sont raccordés.
- Si la voiture est équipée d'un ordinateur de navigation ou d'un autre appareil, ne débranchez pas le fil de masse de la batterie de la voiture, sinon les données mémorisées seront effacées. Pour éviter un courts-circuit lorsque vous effectuez les branchements, branchez le fil d'alimentation de +12 volts uniquement après avoir branché tous les autres fils.

Effectuez les connexions de la manière indiquée ci-dessous.

Ne serrez* pas trop fort la vis car vous pourriez l'endommager.

* Le couple de serrage devrait être inférieur à 1 N•m.

Power Connection Leads
Fils d'alimentation électrique



* (XM-260G)

Notes on the power supply

- Connect the +12 volt power supply lead only after all the other leads have been connected.
- **Be sure to connect the ground lead of the unit securely to a metal part of the car. A loose connection may cause a malfunction of the amplifier.**
- Be sure to connect the remote control lead of the car audio to the remote terminal.
- Use the power supply lead with a fuse attached (at least 60 (50)* A).
- Place the fuse in the power supply lead as close as possible to the car battery.
- Make sure that the leads to be connected to the **+12V** and **GND** terminals of this unit respectively must be larger than 8 (10)*-Gauge (A.W.G.-8 (10)*) or with the sectional area of more than 8 (5)* mm².

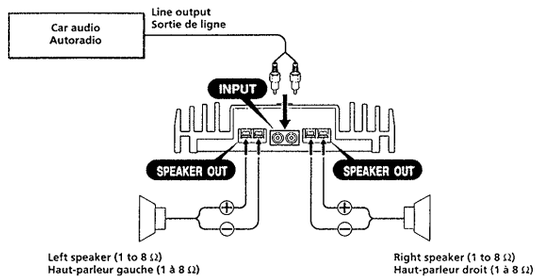
* (XM-260G)

Remarques sur l'alimentation électrique

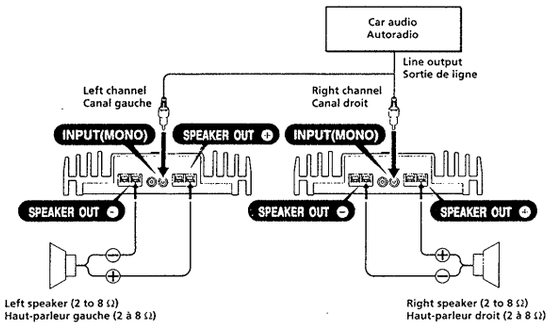
- Raccordez le fil d'alimentation de +12 volts uniquement après avoir avoir réalisé toutes les autres connexions.
- **Raccordez solidement le fil de masse de l'appareil à une partie métallique de la voiture, car une connexion relâchée peut être à l'origine d'une défaillance de l'amplificateur.**
- Assurez-vous que le fil de télécommande de l'autoradio est raccordé à la borne de télécommande.
- Utilisez un fil d'alimentation équipé d'un fusible d'au moins 60 ampères (50 ampères)*.
- Fixez le fusible du fil d'alimentation électrique le plus près possible de la batterie de la voiture.
- Assurez-vous de raccorder des fils de calibre supérieur à 8 (10)* (AWG-8 (10)*) ou d'une section supérieure à 8 (5)* mm² aux bornes **+12 V** et **GND**.

* (XM-260G)

2-Speaker System
Système à 2 haut-parleurs



As a Monaural Amplifier
Utilisation comme amplificateur mono



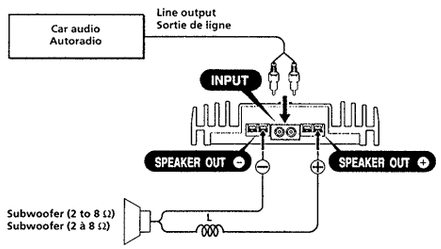
Note

Make sure that the line output from the car audio is connected to the jack marked "R (MONO)" on the unit.

Remarque

Vérifiez que la sortie de ligne de l'autoradio est raccordée à la prise portant l'indication "R (MONO)" sur l'appareil.

As the Monaural Amplifier for a Subwoofer
Utilisation comme amplificateur mono pour un subwoofer



L= Coil (not supplied). See "Dual Mode System" about its capacity.

L= Bobine (non fournie). Voir "Double mode de connexion" pour la capacité.

Notes

- If you wish to use a subwoofer as a monaural speaker, connect the speaker as illustrated above. The output signals to the subwoofer will be the combination of both right and left output signals.

Remarques

- Si vous souhaitez utiliser un subwoofer comme haut-parleur mono, raccordez le haut-parleur comme indiqué sur l'illustration ci-dessus. Les signaux de sortie du subwoofer sont constitués des signaux de sortie des canaux gauche et droit.

Dual Mode System (With a Bridged Subwoofer)
Double mode de connexion (avec subwoofer en pont)

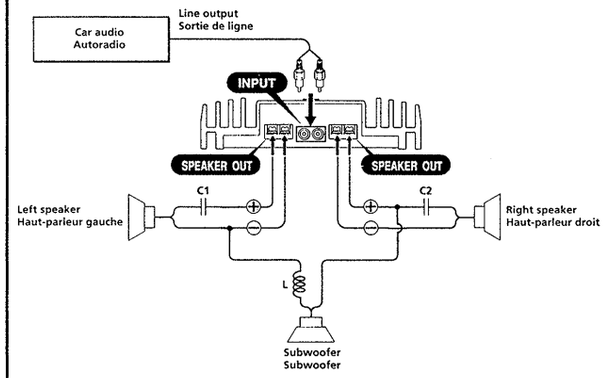


Table of crossover values for 6 dB/octave (4 ohms)

Crossover Frequency unit: Hz	L (coil)** unit: mH	C1/C2 (capacitor)** unit: µF
50	12.7	800
80	8.2	500
100	6.2	400
130	4.7	300
150	4.2	270
200	3.3	200
260	2.4	150
400	1.6	100
600	1.0	68
800	0.8	50
1000	0.6	39

** (not supplied)

Tableau des valeurs de division pour 6 dB/octave (4 ohms)

Fréquence de coupure unité: Hz	L (bobine)** unité:mH	C1/C2 (condensateur)** unité: µF
50	12,7	800
80	8,2	500
100	6,2	400
130	4,7	300
150	4,2	270
200	3,3	200
260	2,4	150
400	1,6	100
600	1,0	68
800	0,8	50
1000	0,6	39

** (non fournis)

Notes

- When using passive crossover networks in a multi-speaker system, care must be taken as the speaker system's impedance should not be lower than that of the suitable impedance for this unit.
- When you are installing a 12 decibels/octave system in your car, the following points must be considered. In a 12 decibels/octave system where both a choke and capacitor are used in series to form a circuit, a great care must be taken when they are connected. In such a circuit, there is going to be an increase in the current which by-passes the speaker with frequencies at around the crossover frequency. If audio signals are continued to be fed into the crossover frequency area, it may cause the amplifier to become abnormally hot or the fuse will be blown. Also if the speaker is disconnected, a series-resonant circuit will be formed by the choke and the capacitor. In this case, the impedance in the resonance area will decrease dramatically resulting in a short circuit like situation causing a damage to the amplifier. Therefore, make sure that a speaker is connected to such a circuit at all times.

Remarques

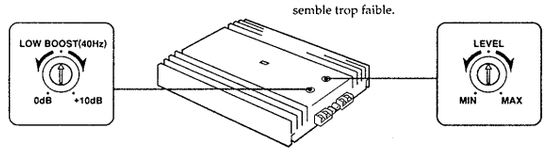
- Quand vous utilisez des circuits diviseurs de fréquence passifs dans un système à plusieurs haut-parleurs, assurez-vous que l'impédance du système n'est pas inférieure à celle prévue pour cet appareil.
- Si vous installez un système à 12 décibels/octave dans votre voiture, vous devez respecter les points suivants:
  Dans un système à 12 décibels/octave où la bobine d'arrêt et le condensateur sont utilisés en série pour former un circuit, vous devez réaliser les branchements avec beaucoup de précaution. Dans ce type de circuit, une augmentation du courant contournant le haut-parleur se produit dans les fréquences se situant autour de la fréquence de coupure. Si des signaux audio continuent d'être fournis dans la zone de la fréquence de coupure, une surchauffe risque de se produire dans l'amplificateur et le fusible de sauter. Si le haut-parleur n'est pas raccordé, un circuit de résonance série sera créé par la bobine et le condensateur. Dans ce cas, l'impédance dans la zone de résonance sera considérablement réduite, et comme dans le cas d'un court-circuit, l'amplificateur peut être endommagé.
  Par conséquent, veillez à ce qu'un haut-parleur soit toujours raccordé au circuit.

Level Adjustment Control

The input level can be varied with this control. Use it to adjust the input sound level when using source equipment of other manufacturers. Turn it to MAX when the output level of the cassette car audio or CD player seems low.

Commande de réglage de niveau

Le niveau d'entrée peut être modifié par cette commande. Utilisez-la pour ajuster le niveau d'entrée du son quand vous utilisez un appareil d'un autre fabricant. Réglez-la sur MAX si le niveau de sortie de l'autoradio-cassette ou du lecteur de CD semble trop faible.

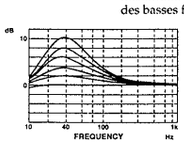


LOW BOOST level control

Turn this control to boost the frequencies around 40 Hz at the maximum of 10 dB. The low boost response curve is shown below.

Commande LOW BOOST

Tournez cette commande pour accentuer les fréquences autour de 40 Hz jusqu'à 10 dB maximum. La courbe de réponse de l'accentuation des basses fréquences est illustrée ci-dessous.



SECTION 2
ELECTRICAL ADJUSTMENT

IDLING CURRENT ADJUSTMENT

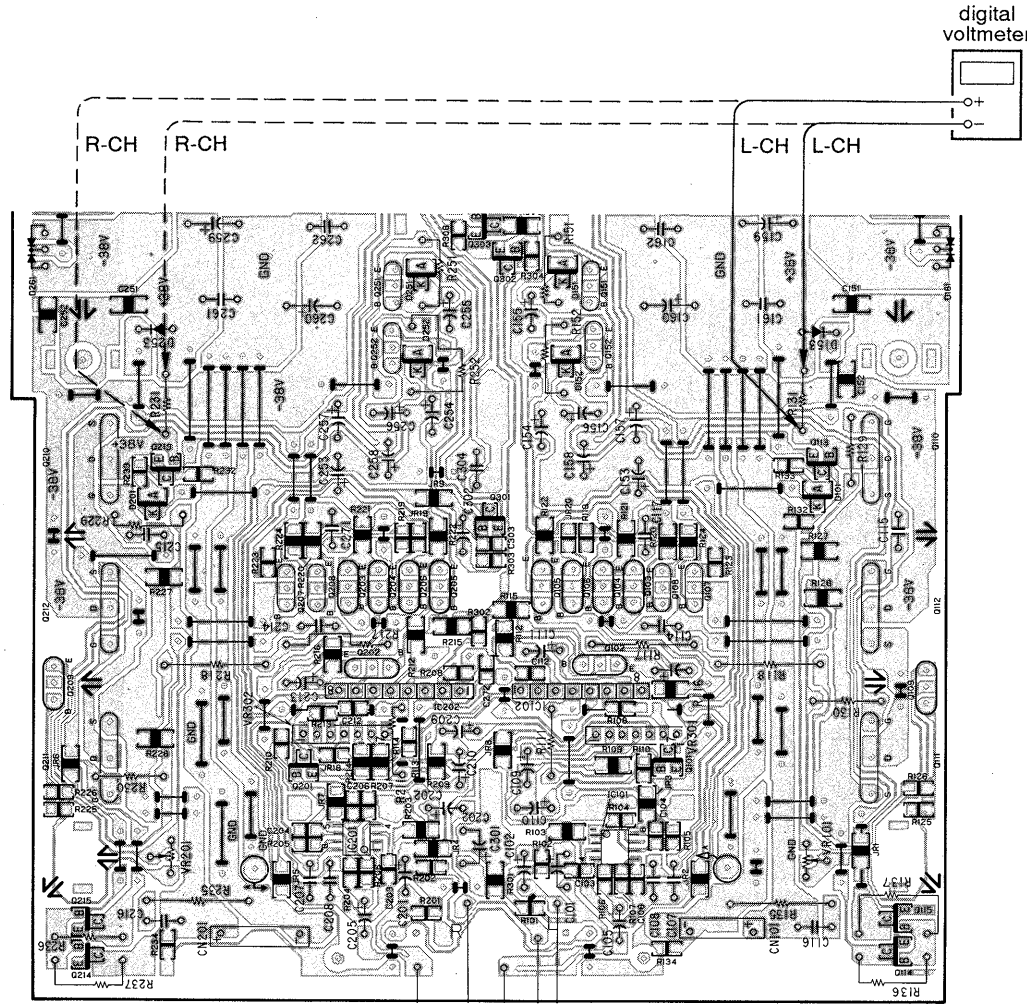
Procedure :

1. Rotate Semi-fixed resistors VR101 and VR201 fully counterclockwise as viewed from the solder side.
2. No signal is entered, as input signal.
3. Apply the source voltage 14.4 V between +12 V, REMOTE and GND terminals.
4. Adjust the VR101 (L-CH) and VR201 (R-CH) so that the digital voltmeter reading becomes the adjustment limits below.

Adjustment Limits : 1.5 ±0.5 mV

Adjustment Location :

【AMP BOARD】 (Conductor Side)



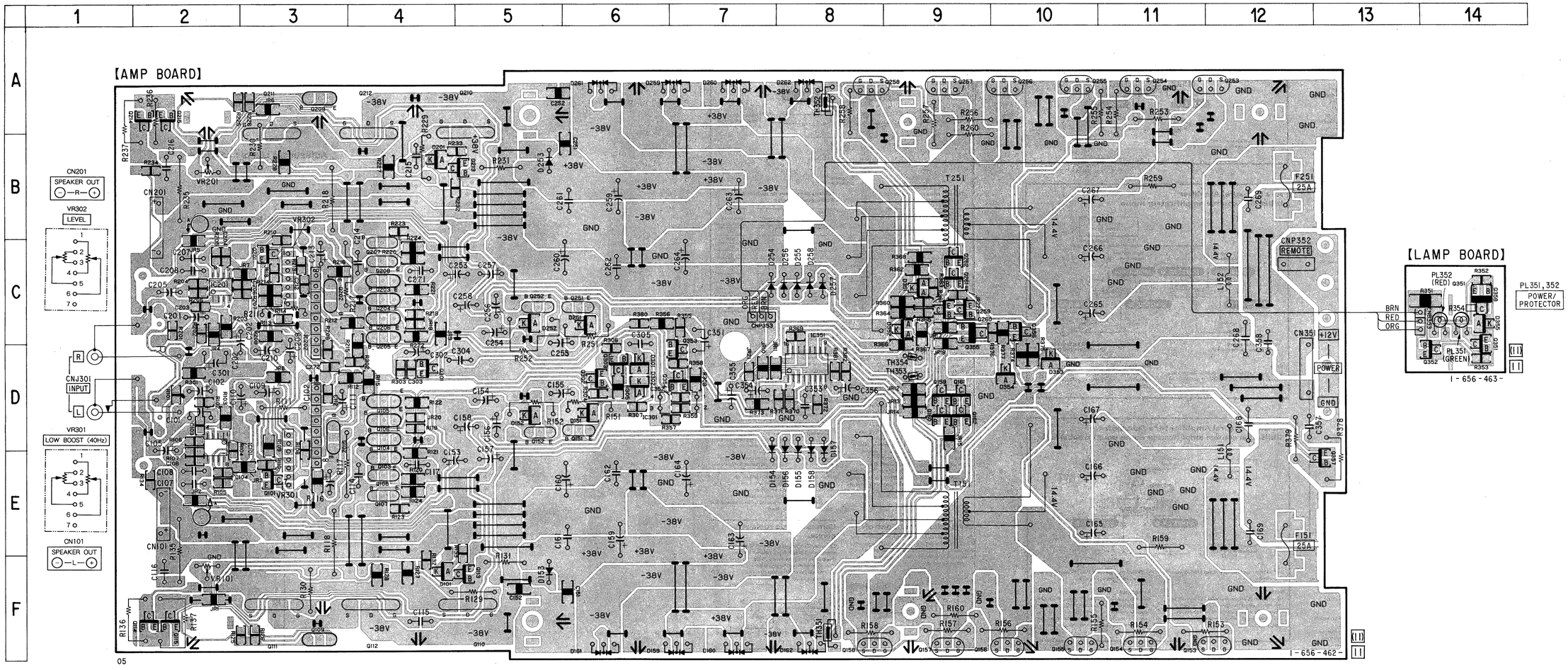
SECTION 3
DIAGRAMS

3-1. PRINTED WIRING BOARD

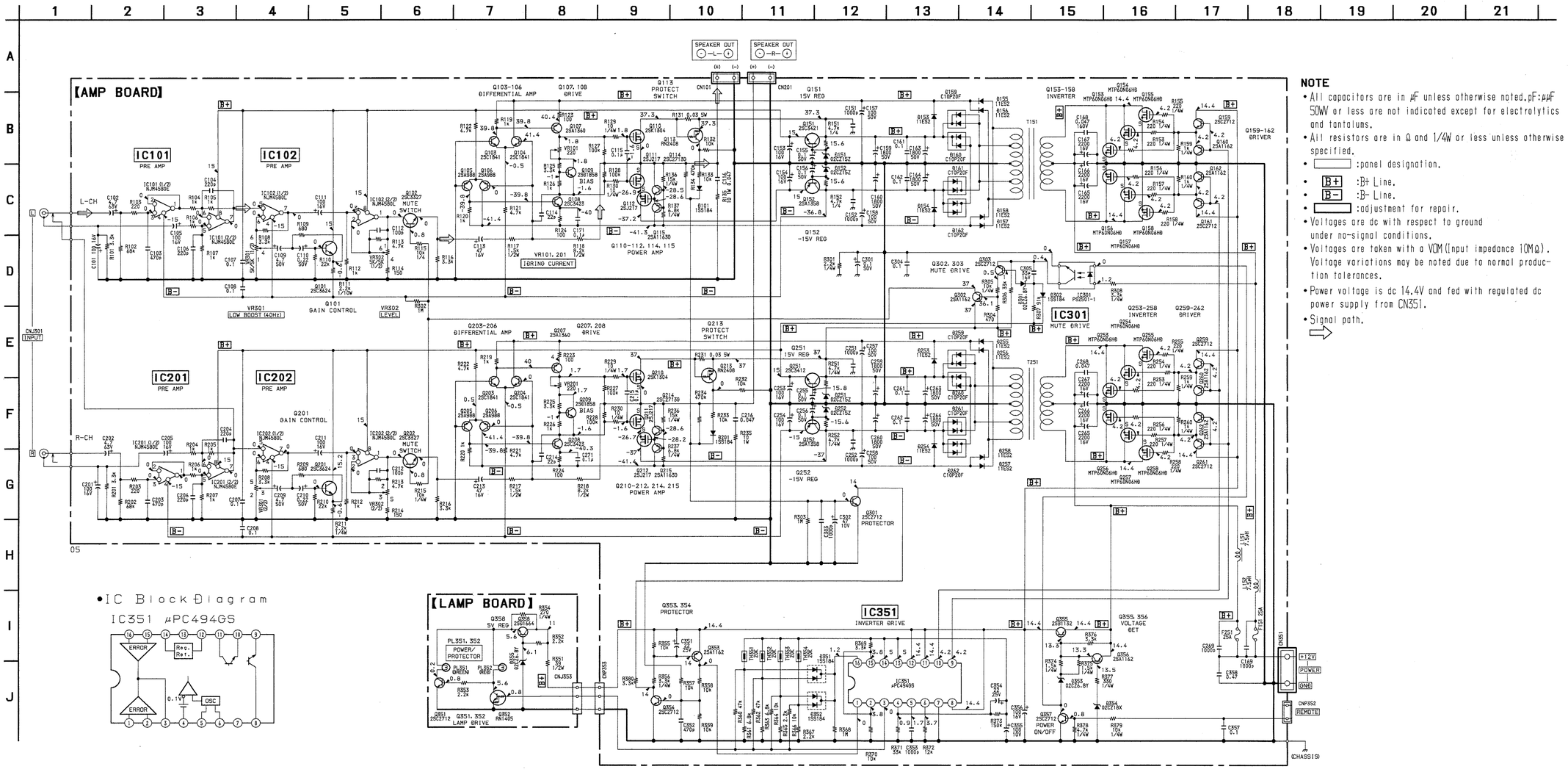
- **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location
D101	F-4	Q113	F-5
D151	D-6	Q114	F-2
D152	D-6	Q115	F-2
D153	F-5	Q151	D-6
D154	E-7	Q152	D-5
D155	E-8	Q153	F-11
D156	E-8	Q154	F-11
D157	E-8	Q155	F-10
D158	E-8	Q156	F-9
D159	F-7	Q157	F-9
D160	F-8	Q158	F-8
D161	F-7	Q159	D-9
D162	F-8	Q160	D-9
D201	B-4	Q161	D-9
D251	C-6	Q162	D-9
D252	C-5	Q201	C-3
D253	B-5	Q202	C-3
D254	C-7	Q203	C-4
D255	C-8	Q204	C-4
D256	C-8	Q205	C-4
D257	C-8	Q206	C-4
D258	C-8	Q207	C-4
D259	A-6	Q208	C-4
D260	A-7	Q209	A-3
D261	A-6	Q210	A-5
D262	A-8	Q211	A-3
D301	D-6	Q212	A-4
D302	D-6	Q213	B-5
D351	C-9	Q214	A-2
D352	C-9	Q215	A-2
D353	D-10	Q251	C-6
D354	D-10	Q252	C-5
D355	C-14	Q253	A-12
		Q254	A-11
IC101	D-2	Q255	A-10
IC102	D-3	Q256	A-10
IC201	C-2	Q257	A-9
IC202	C-3	Q258	A-9
IC301	D-6	Q259	C-9
IC351	D-8	Q260	C-9
		Q261	C-9
Q101	E-3	Q262	C-9
Q102	D-3	Q301	D-4
Q103	E-4	Q302	D-6
Q104	D-4	Q303	D-6
Q105	D-4	Q351	D-14
Q106	D-4	Q352	D-14
Q107	E-4	Q353	D-7
Q108	E-4	Q354	D-7
Q109	F-3	Q355	C-9
Q110	F-5	Q356	C-10
Q111	F-3	Q357	E-13
Q112	F-4	Q358	C-14

Note:
- ○——— : parts extracted from the component side.



3-2. SCHEMATIC DIAGRAM



•IC Block Diagram

IC351 μPC494GS

NOTE

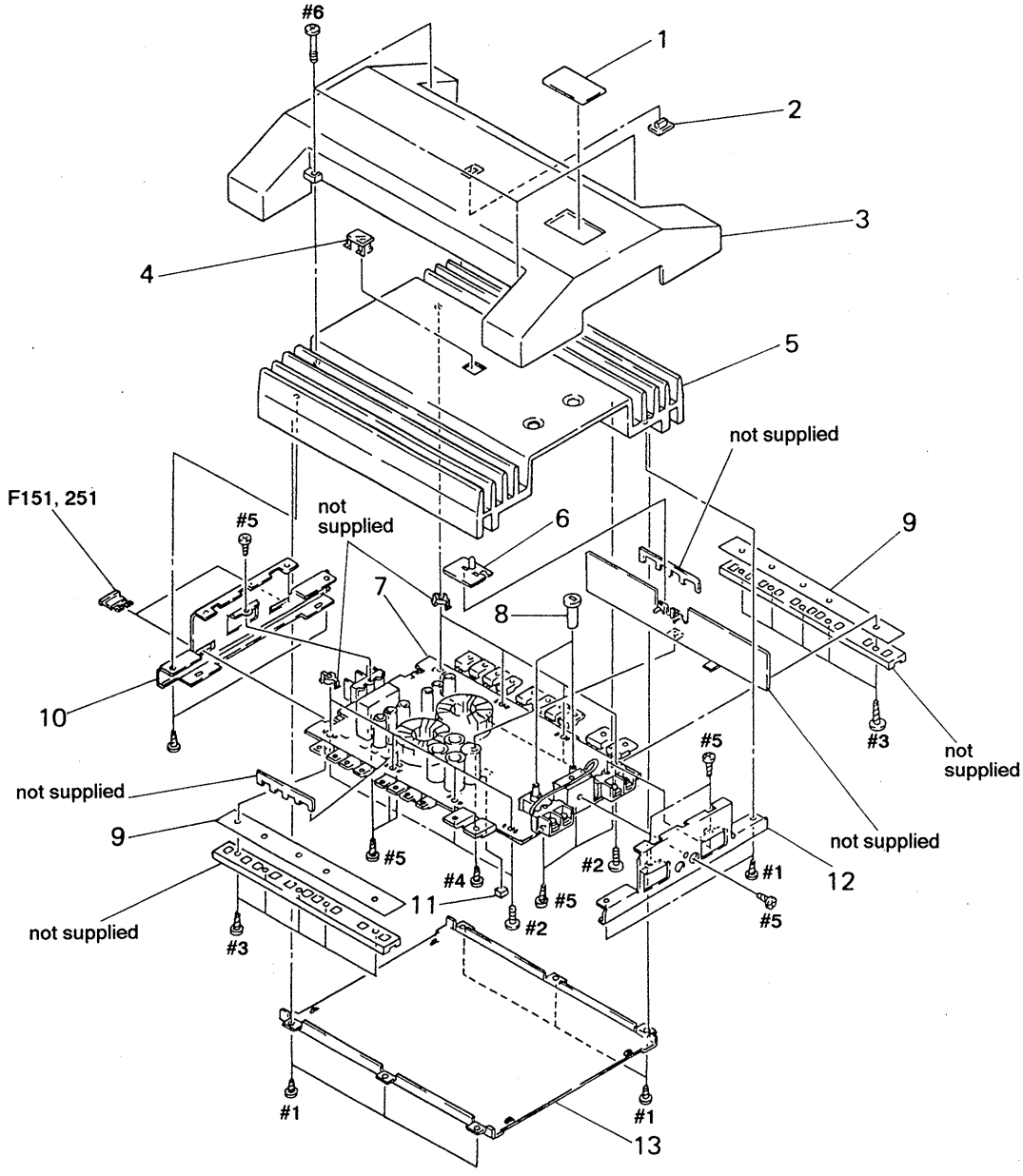
- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- ▭ :panel designation.
- B+ :B+ Line.
- B- :B- Line.
- ▭ :adjustment for repair.
- Voltages are dc with respect to ground under no-signal conditions.
- Voltages are taken with a VOM (Input impedance 10MΩ). Voltage variations may be noted due to normal production tolerances.
- Power voltage is dc 14.4V and fed with regulated dc power supply from CN351.
- Signal path.

SECTION 4
EXPLODED VIEW

SEE ADDITIONAL INFORMATION

NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.



Ref. No.	Part No.	Description	Remark
1	3-925-536-01	EMBLEM (MOBIL ES)	
* 2	3-926-390-01	INDICATOR	
3	3-926-399-01	COVER	
4	3-926-387-01	PLATE, LIGHT GUIDE	
5	3-926-397-01	HEAT SINK	
* 6	1-656-463-11	LAMP BOARD	
* 7	A-3298-836-A	AMP BOARD, COMPLETE	
8	3-926-396-01	KNOB (VOL)	
* 9	3-926-402-01	SHEET, INSULATING	
* 10	3-926-385-01	PANEL (B)	
* 11	3-395-832-01	SPACER	
* 12	3-926-384-01	PANEL (A)	
* 13	3-926-398-01	PLATE, BOTTOM	
F151	1-532-947-11	FUSE (BRADE TYPE) (AUTO FUSE) (25.0A)	
F251	1-532-947-11	FUSE (BRADE TYPE) (AUTO FUSE) (25.0A)	

SECTION 5
ELECTRICAL PARTS LIST

AMP

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u:μ, for example:
  uA ..: μA.. uPA..: μPA..
  uPB..: μPB.. uPC..: μPC.. uPD..: μPD..
- CAPACITORS
  uF: μF
- COILS
  uH: μH

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description			Remark
*	A-3298-836-A	AMP BOARD, COMPLETE			
		**********			
	1-537-479-11	TERMINAL			
		< CAPACITOR >			
C101	1-126-009-81	ELECT	100uF	20%	16V
C102	1-126-058-11	ELECT	4.7uF	20%	63V
C103	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C104	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C105	1-126-023-11	ELECT	100uF	20%	16V
C106	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C107	1-136-165-00	FILM	0.1uF	5%	50V
C108	1-136-165-00	FILM	0.1uF	5%	50V
C109	1-126-047-81	ELECT	4.7uF	20%	50V
C110	1-124-464-11	ELECT	0.22uF	20%	50V
C111	1-126-023-11	ELECT	100uF	20%	16V
C112	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C113	1-126-051-11	ELECT	47uF	20%	16V
C114	1-107-597-11	MICA	22PF	5%	500V
C115	1-162-806-11	CERAMIC	0.1uF	10%	50V
C116	1-136-161-00	FILM	0.047uF	5%	50V
C151	1-163-205-00	CERAMIC CHIP	0.001uF	5%	50V
C152	1-163-205-00	CERAMIC CHIP	0.001uF	5%	50V
C153	1-126-009-81	ELECT	100uF	20%	16V
C154	1-126-009-81	ELECT	100uF	20%	16V
C155	1-126-956-91	ELECT	0.1uF	20%	50V
C156	1-126-956-91	ELECT	0.1uF	20%	50V
C157	1-126-052-11	ELECT	100uF	20%	50V
C158	1-126-052-11	ELECT	100uF	20%	50V
C159	1-113-616-11	ELECT	1800uF	20%	50V
C160	1-113-616-11	ELECT	1800uF	20%	50V
C161	1-162-806-11	CERAMIC	0.1uF	10%	50V
C162	1-162-806-11	CERAMIC	0.1uF	10%	50V
C163	1-113-616-11	CAP, ELECT			
C164	1-113-616-11	CAP, ELECT			
C165	1-128-320-11	ELECT	2200uF	20%	16V
C166	1-128-320-11	ELECT	2200uF	20%	16V
C167	1-128-320-11	ELECT	2200uF	20%	16V
C168	1-136-961-11	FILM	0.047uF	10%	160V
C169	1-130-471-00	MYLAR	0.001uF	5%	50V
C171	1-136-165-00	FILM	0.1uF	5%	50V
C172	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C201	1-126-009-81	ELECT	100uF	20%	16V
C202	1-126-058-11	ELECT	4.7uF	20%	63V
C203	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C204	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C205	1-126-023-11	ELECT	100uF	20%	16V
C206	1-163-125-00	CERAMIC CHIP	220PF	5%	50V
C207	1-136-165-00	FILM	0.1uF	5%	50V
C208	1-136-165-00	FILM	0.1uF	5%	50V
C209	1-126-047-81	ELECT	4.7uF	20%	50V
C210	1-124-464-11	ELECT	0.22uF	20%	50V
C211	1-126-023-11	ELECT	100uF	20%	16V
C212	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C213	1-126-051-11	ELECT	47uF	20%	16V
C214	1-107-597-11	MICA	22PF	5%	500V
C215	1-162-806-11	CERAMIC	0.1uF	10%	50V
C216	1-136-161-00	FILM	0.047uF	5%	50V
C251	1-163-205-00	CERAMIC CHIP	0.001uF	5%	50V
C252	1-163-205-00	CERAMIC CHIP	0.001uF	5%	50V
C253	1-126-009-81	ELECT	100uF	20%	16V
C254	1-126-009-81	ELECT	100uF	20%	16V
C255	1-126-956-91	ELECT	0.1uF	20%	50V
C256	1-126-956-91	ELECT	0.1uF	20%	50V
C257	1-126-052-11	ELECT	100uF	20%	50V
C258	1-126-052-11	ELECT	100uF	20%	50V
C259	1-113-616-11	CAP, ELECT			
C260	1-113-616-11	CAP, ELECT			
C261	1-162-806-11	CERAMIC	0.1uF	10%	50V
C262	1-162-806-11	CERAMIC	0.1uF	10%	50V
C263	1-113-616-11	CAP, ELECT			
C264	1-113-616-11	CAP, ELECT			
C265	1-128-320-11	ELECT	2200uF	20%	16V
C266	1-128-320-11	ELECT	2200uF	20%	16V
C267	1-128-320-11	ELECT	2200uF	20%	16V
C268	1-136-961-11	FILM	0.047uF	10%	160V
C269	1-130-471-00	MYLAR	0.001uF	5%	50V
C271	1-136-165-00	FILM	0.1uF	5%	50V

AMP

Ref. No.	Part No.	Description			Remark
C272	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C301	1-126-956-91	ELECT	0.1uF	20%	50V
C302	1-126-967-11	ELECT	47uF	20%	10V
C303	1-163-141-00	CERAMIC CHIP	0.001uF	5%	50V
C304	1-136-165-00	FILM	0.1uF	5%	50V
C305	1-107-716-11	ELECT	33uF	20%	16V
C351	1-128-551-11	ELECT	22uF	20%	25V
C352	1-163-133-00	CERAMIC CHIP	470PF	5%	50V
C353	1-130-471-00	MYLAR	0.001uF	5%	50V
C354	1-128-551-11	ELECT	22uF	20%	25V
C355	1-126-933-11	ELECT	100uF	20%	10V
C356	1-126-933-11	ELECT	100uF	20%	16V
C357	1-136-165-00	FILM	0.1uF	5%	50V
C358	1-136-173-00	FILM	0.47uF	5%	50V
		< CONNECTOR >			
CN101	1-537-920-11	TERMINAL BOARD (SP) (SPEAKER OUT L)			
CN201	1-537-920-11	TERMINAL BOARD (SP) (SPEAKER OUT R)			
CN351	1-537-920-11	TERMINAL BOARD (SP) (POWER/+12V/GND)			
		< JACK >			
CNJ301	1-770-068-21	JACK, PIN 2P (INPUT L/R)			
		< CONNECTOR >			
* CNP352	1-750-140-11	PIN, CONNECTOR (PC BOARD) 2P (REMOTE)			
* CNP353	1-564-705-11	PIN, CONNECTOR (SMALL TYPE) 3P			
		< DIODE >			
D101	8-719-801-78	DIODE	1SS184		
D151	8-719-025-49	DIODE	02CZ15-TE85L		
D152	8-719-025-49	DIODE	02CZ15-TE85L		
D153	8-719-200-82	DIODE	11ES2		
D154	8-719-200-82	DIODE	11ES2		
D155	8-719-200-82	DIODE	11ES2		
D156	8-719-200-82	DIODE	11ES2		
D157	8-719-200-82	DIODE	11ES2		
D158	8-719-200-82	DIODE	11ES2		
D159	8-719-210-30	DIODE	F10P20F(R)		
D160	8-719-210-30	DIODE	F10P20F(R)		
D161	8-719-210-30	DIODE	F10P20F(R)		
D162	8-719-210-30	DIODE	F10P20F(R)		
D201	8-719-801-78	DIODE	1SS184		
D251	8-719-025-49	DIODE	02CZ15-TE85L		
D252	8-719-025-49	DIODE	02CZ15-TE85L		
D253	8-719-200-82	DIODE	11ES2		
D254	8-719-200-82	DIODE	11ES2		
D255	8-719-200-82	DIODE	11ES2		
D256	8-719-200-82	DIODE	11ES2		
D257	8-719-200-82	DIODE	11ES2		
D258	8-719-200-82	DIODE	11ES2		
D259	8-719-210-30	DIODE	F10P20F(R)		
D260	8-719-210-30	DIODE	F10P20F(R)		
D261	8-719-210-30	DIODE	F10P20F(R)		
D262	8-719-210-30	DIODE	F10P20F(R)		
D301	8-719-025-34	DIODE	02CZ6.8-TE85L		
D302	8-719-801-78	DIODE	1SS184		
D351	8-719-801-78	DIODE	1SS184		
D352	8-719-801-78	DIODE	1SS184		
D353	8-719-025-34	DIODE	02CZ6.8-TE85L		
D354	8-719-025-51	DIODE	02CZ18-TE85L		
		< IC >			
IC101	8-759-711-82	IC	NJM4580E		
IC102	8-759-710-73	IC	NJM4580L		
IC201	8-759-711-82	IC	NJM4580E		
IC202	8-759-710-73	IC	NJM4580L		
IC301	8-719-156-73	DIODE	PS2501-1LA		
IC351	8-759-144-88	IC	uPC494GS		
		< CHIP CONDUCTOR >			
JR1	1-216-296-00	CONDUCTOR, CHIP		(3216)	
JR2	1-216-296-00	CONDUCTOR, CHIP		(3216)	
JR3	1-216-296-00	CONDUCTOR, CHIP		(3216)	
JR4	1-216-296-00	CONDUCTOR, CHIP		(3216)	
JR5	1-216-296-00	CONDUCTOR, CHIP		(3216)	
JR6	1-216-296-00	CONDUCTOR, CHIP		(3216)	
JR7	1-216-296-00	CONDUCTOR, CHIP		(3216)	
JR8	1-216-296-00	CONDUCTOR, CHIP		(3216)	
JR9	1-216-296-00	CONDUCTOR, CHIP		(3216)	
JR10	1-216-296-00	CONDUCTOR, CHIP		(3216)	
JR11	1-216-296-00	CONDUCTOR, CHIP		(3216)	
JR12	1-216-296-00	CONDUCTOR, CHIP		(3216)	
JR13	1-216-296-00	CONDUCTOR, CHIP		(3216)	
JR14	1-216-296-00	CONDUCGTOR, CHIP		(3216)	
JR15	1-216-296-00	CONDUCTOR, CHIP		(3216)	
JR16	1-216-296-00	CONDUCTOR, CHIP		(3216)	
JR17	1-216-296-00	CONDUCTOR, CHIP		(3216)	
JR18	1-216-295-00	CONDUCTOR, CHIP		(2012)	
JR19	1-216-295-00	CONDUCTOR, CHIP		(2012)	
JR20	1-216-295-00	CONDUCTOR, CHIP		(2012)	
JR21	1-216-295-00	CONDUCTOR, CHIP		(2012)	
JR22	1-216-295-00	CONDUCTOR, CHIP		(2012)	
		< COIL >			
L151	1-424-112-11	COIL, CHOKE	7.5uH		
L152	1-424-112-11	COIL, CHOKE	7.5uH		

AMP

Ref. No.	Part No.	Description		Remark
		< TRANSISTOR >		
Q101	8-729-107-43	TRANSISTOR	2SC3624-L18	
Q102	8-729-203-48	TRANSISTOR	2SC3327-A	
Q103	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA	
Q104	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA	
Q105	8-729-140-82	TRANSISTOR	2SA988-PAFAEA	
Q106	8-729-140-82	TRANSISTOR	2SA988-PAFAEA	
Q107	8-729-209-18	TRANSISTOR	2SA1360-Y	
Q108	8-729-203-45	TRANSISTOR	2SC3423-O	
Q109	8-729-931-13	TRANSISTOR	2SD1858-P-TV2	
Q110	8-729-031-83	TRANSISTOR	2SK1304	
Q111	8-729-031-81	TRANSISTOR	2SJ217	
Q112	8-729-031-81	TRANSISTOR	2SJ217	
Q113	8-729-207-74	TRANSISTOR	RN2408	
Q114	8-729-271-31	TRANSISTOR	2SC2713-G	
Q115	8-729-216-31	TRANSISTOR	2SA1163-G	
Q151	8-729-207-82	TRANSISTOR	2SC3421-Y	
Q152	8-729-207-89	TRANSISTOR	2SA1358-Y	
Q153	8-729-031-82	TRANSISTOR	MTP60N06HD	
Q154	8-729-031-82	TRANSISTOR	MTP60N06HD	
Q155	8-729-031-82	TRANSISTOR	MTP60N06HD	
Q156	8-729-031-82	TRANSISTOR	MTP60N06HD	
Q157	8-729-031-82	TRANSISTOR	MTP60N06HD	
Q158	8-729-031-82	TRANSISTOR	MTP60N06HD	
Q159	8-729-230-49	TRANSISTOR	2SC2712-YG	
Q160	8-729-230-46	TRANSISTOR	2SA1162-YG	
Q161	8-729-230-49	TRANSISTOR	2SC2712-YG	
Q162	8-729-230-46	TRANSISTOR	2SA1162-YG	
Q201	8-729-107-43	TRANSISTOR	2SC3624-L18	
Q202	8-729-203-48	TRANSISTOR	2SC3327-A	
Q203	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA	
Q204	8-729-140-84	TRANSISTOR	2SC1841-PAFAEA	
Q205	8-729-140-82	TRANSISTOR	2SA988-PAFAEA	
Q206	8-729-140-82	TRANSISTOR	2SA988-PAFAEA	
Q207	8-729-209-18	TRANSISTOR	2SA1360-Y	
Q208	8-729-203-45	TRANSISTOR	2SC3423-O	
Q209	8-729-931-13	TRANSISTOR	2SD1858-P-TV2	
Q210	8-729-031-83	TRANSISTOR	2SK1304	
Q211	8-729-031-81	TRANSISTOR	2SJ217	
Q212	8-729-031-81	TRANSISTOR	2SJ217	
Q213	8-729-207-74	TRANSISTOR	RN2408	
Q214	8-729-271-31	TRANSISTOR	2SC2713-G	
Q215	8-729-216-31	TRANSISTOR	2SA1163-G	
Q251	8-729-207-82	TRANSISTOR	2SC3421-Y	
Q252	8-729-207-89	TRANSISTOR	2SA1358-Y	
Q253	8-729-031-82	TRANSISTOR	MTP60N06HD	
Q254	8-729-031-82	TRANSISTOR	MTP60N06HD	
Q255	8-729-031-82	TRANSISTOR	MTP60N06HD	
Q256	8-729-031-82	TRANSISTOR	MTP60N06HD	
Q257	8-729-031-82	TRANSISTOR	MTP60N06HD	
Q258	8-729-031-82	TRANSISTOR	MTP60N06HD	
Q259	8-729-230-49	TRANSISTOR	2SC2712-YG	
Q260	8-729-230-46	TRANSISTOR	2SA1162-YG	
Q261	8-729-230-49	TRANSISTOR	2SC2712-YG	
Q262	8-729-230-46	TRANSISTOR	2SA1162-YG	
Q301	8-729-230-49	TRANSISTOR	2SC2712-YG	
Q302	8-729-230-46	TRANSISTOR	2SA1162-YG	
Q303	8-729-230-49	TRANSISTOR	2SC2712-YG	
Q353	8-729-230-46	TRANSISTOR	2SA1162-YG	
Q354	8-729-230-49	TRANSISTOR	2SC2712-YG	
Q355	8-729-106-60	TRANSISTOR	2SB1115A	
Q356	8-729-230-46	TRANSISTOR	2SA1162-YG	
Q357	8-729-230-49	TRANSISTOR	2SC2712-YG	
		< RESISTOR >		
R101	1-208-449-61	METAL GLAZE	3.3K 2% 1/10W	
R102	1-208-826-11	METAL GLAZE	68K 2% 1/10W	
R103	1-216-182-00	METAL GLAZE	220 2% 1/8W	
R104	1-208-437-61	METAL GLAZE	1K 2% 1/10W	
R105	1-208-437-61	METAL GLAZE	1K 2% 1/10W	
R106	1-208-437-61	METAL GLAZE	1K 2% 1/10W	
R107	1-208-437-61	METAL GLAZE	1K 2% 1/10W	
R108	1-208-449-61	METAL GLAZE	3.3K 2% 1/10W	
R109	1-216-194-00	METAL CHIP	680 5% 1/8W	
R110	1-208-518-61	METAL GLAZE	22K 2% 1/10W	
R111	1-247-717-11	CARBON	2.2K 5% 1/4W	
R112	1-208-486-61	METAL GLAZE	1K 2% 1/8W	
R113	1-208-453-61	METAL GLAZE	4.7K 2% 1/10W	
R114	1-216-029-00	METAL CHIP	150 5% 1/10W	
R115	1-220-285-11	METAL GLAZE	10K 5% 1/4W	
R116	1-216-210-00	METAL GLAZE	3.3K 2% 1/8W	
R117	1-249-677-11	CARBON	1.5K 5% 1/2W	
R118	1-249-824-11	CARBON	8.2K 5% 1/2W	
R119	1-208-437-61	METAL GLAZE	1K 2% 1/10W	
R120	1-208-486-61	METAL GLAZE	1K 2% 1/8W	
R121	1-216-214-00	METAL GLAZE	4.7K 2% 1/8W	
R122	1-216-214-00	METAL GLAZE	4.7K 2% 1/8W	
R123	1-216-627-11	METAL CHIP	100 0.5% 1/10W	
R124	1-216-174-00	METAL GLAZE	100 2% 1/8W	
R125	1-208-449-61	METAL GLAZE	3.3K 2% 1/10W	
R126	1-208-437-61	METAL GLAZE	1K 2% 1/10W	
R127	1-216-699-11	METAL CHIP	100K 0.5% 1/10W	
R128	1-216-699-11	METAL CHIP	100K 0.5% 1/10W	
R129	1-249-504-11	CARBON	10 5% 1/4W	
R130	1-249-504-11	CARBON	10 5% 1/4W	
R131	1-219-695-11	CEMENT-COATED	0.03 5W	

AMP

Ref. No.	Part No.	Description			Remark
R132	1-208-462-61	METAL GLAZE	10K	2%	1/10W
R133	1-208-462-61	METAL GLAZE	10K	2%	1/10W
R134	1-208-550-61	METAL GLAZE	470K	2%	1/10W
R135	1-215-857-11	METAL OXIDE	10	5%	1W
R136	1-249-460-11	CARBON	15K	5%	1/4W
R137	1-247-723-11	CARBON	6.8K	5%	1/4W
R151	1-247-721-11	CARBON	4.7K	5%	1/4W
R152	1-247-721-11	CARBON	4.7K	5%	1/4W
R153	1-247-704-11	CARBON	220	5%	1/4W
R154	1-247-704-11	CARBON	220	5%	1/4W
R155	1-247-704-11	CARBON	220	5%	1/4W
R156	1-247-704-11	CARBON	220	5%	1/4W
R157	1-247-704-11	CARBON	220	5%	1/4W
R158	1-247-704-11	CARBON	220	5%	1/4W
R159	1-247-713-11	CARBON	1K	5%	1/4W
R160	1-247-713-11	CARBON	1K	5%	1/4W
R201	1-208-449-61	METAL GLAZE	3.3K	2%	1/10W
R202	1-208-826-11	METAL GLAZE	68K	2%	1/10W
R203	1-216-182-00	METAL GLAZE	220	2%	1/8W
R204	1-208-437-61	METAL GLAZE	1K	2%	1/10W
R205	1-208-437-61	METAL GLAZE	1K	2%	1/10W
R206	1-208-437-61	METAL GLAZE	1K	2%	1/10W
R207	1-208-437-61	METAL GLAZE	1K	2%	1/10W
R208	1-208-449-61	METAL GLAZE	3.3K	2%	1/10W
R209	1-216-194-00	METAL CHIP	680	5%	1/8W
R210	1-208-518-61	METAL GLAZE	22K	2%	1/10W
R211	1-247-717-11	CARBON	2.2K	5%	1/4W
R212	1-208-486-61	METAL GLAZE	1K	2%	1/8W
R213	1-208-453-61	METAL GLAZE	4.7K	2%	1/10W
R214	1-216-029-00	METAL CHIP	150	5%	1/10W
R215	1-220-285-11	METAL GLAZE	10K	5%	1/4W
R216	1-216-210-00	METAL GLAZE	3.3K	2%	1/8W
R217	1-249-677-11	CARBON	1.5K	5%	1/2W
R218	1-249-824-11	CARBON	8.2K	5%	1/2W
R219	1-208-437-61	METAL GLAZE	1K	2%	1/10W
R220	1-208-486-61	METAL GLAZE	1K	2%	1/8W
R221	1-216-214-00	METAL GLAZE	4.7K	2%	1/8W
R222	1-216-214-00	METAL GLAZE	4.7K	2%	1/8W
R223	1-216-627-11	METAL CHIP	100	0.5%	1/10W
R224	1-216-174-00	METAL GLAZE	100	2%	1/8W
R225	1-208-449-61	METAL GLAZE	3.3K	2%	1/10W
R226	1-208-437-61	METAL GLAZE	1K	2%	1/10W
R227	1-216-699-11	METAL GLAZE	100K	2%	1/8W
R228	1-216-699-11	METAL GLAZE	100K	2%	1/8W
R229	1-249-504-11	CARBON	10	5%	1/4W
R230	1-249-504-11	CARBON	10	5%	1/4W
R231	1-219-695-11	CEMENT-COATED	0.03		5W
R232	1-208-462-61	METAL GLAZE	10K	2%	1/10W
R233	1-208-462-61	METAL GLAZE	10K	2%	1/10W

Ref. No.	Part No.	Description			Remark
R234	1-208-550-61	METAL GLAZE	470K	2%	1/10W
R235	1-215-857-11	METAL OXIDE	10	5%	1W
R236	1-249-460-11	CARBON	15K	5%	1/4W
R237	1-247-723-11	CARBON	6.8K	5%	1/4W
R251	1-247-721-11	CARBON	4.7K	5%	1/4W
R252	1-247-721-11	CARBON	4.7K	5%	1/4W
R253	1-247-704-11	CARBON	220	5%	1/4W
R254	1-247-704-11	CARBON	220	5%	1/4W
R255	1-247-704-11	CARBON	220	5%	1/4W
R256	1-247-704-11	CARBON	220	5%	1/4W
R257	1-247-704-11	CARBON	220	5%	1/4W
R258	1-247-704-11	CARBON	220	5%	1/4W
R259	1-247-713-11	CARBON	1K	5%	1/4W
R260	1-247-713-11	CARBON	1K	5%	1/4W
R301	1-220-277-11	METAL GLAZE	2.2K	5%	1/4W
R302	1-208-558-61	METAL GLAZE	1M	2%	1/10W
R303	1-208-558-61	METAL GLAZE	1M	2%	1/10W
R304	1-208-774-11	METAL GLAZE	470	2%	1/10W
R305	1-220-285-11	METAL GLAZE	10K	5%	1/4W
R306	1-208-522-61	METAL GLAZE	33K	2%	1/10W
R307	1-216-698-11	METAL CHIP	91K	0.5%	1/10W
R308	1-220-279-11	METAL GLAZE	3.3K	5%	1/4W
R355	1-208-462-61	METAL GLAZE	10K	2%	1/10W
R356	1-220-279-11	METAL GLAZE	3.3K	5%	1/4W
R357	1-208-462-61	METAL GLAZE	10K	2%	1/10W
R358	1-208-462-61	METAL GLAZE	10K	2%	1/10W
R359	1-208-462-61	METAL GLAZE	10K	2%	1/10W
R360	1-220-293-11	METAL GLAZE	47K	5%	1/4W
R361	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R362	1-220-293-11	METAL GLAZE	47K	5%	1/4W
R363	1-216-671-11	METAL CHIP	6.8K	0.5%	1/10W
R364	1-220-285-11	METAL GLAZE	10K	5%	1/4W
R365	1-216-659-11	METAL CHIP	2.2K	0.5%	1/10W
R366	1-220-285-11	METAL GLAZE	10K	5%	1/4W
R367	1-220-277-11	METAL GLAZE	2.2K	5%	1/4W
R368	1-208-599-61	METAL GLAZE	1M	2%	1/8W
R369	1-208-449-61	METAL GLAZE	3.3K	2%	1/10W
R370	1-208-462-61	METAL GLAZE	10K	2%	1/10W
R371	1-208-522-61	METAL GLAZE	33K	2%	1/10W
R372	1-216-677-11	METAL CHIP	12K	0.5%	1/10W
R373	1-208-834-11	METAL GLAZE	150K	2%	1/8W
R374	1-220-275-11	METAL GLAZE	1.5K	5%	1/4W
R375	1-220-275-11	METAL GLAZE	1.5K	5%	1/4W
R376	1-208-449-61	METAL GLAZE	3.3K	2%	1/10W
R377	1-218-478-11	METAL GLAZE	330	5%	1/4W
R378	1-247-721-11	CARBON	4.7K	5%	1/4W
R379	1-247-725-11	CARBON	10K	5%	1/4W
R380	1-208-449-61	METAL GLAZE	3.3K	2%	1/10W
R381	1-208-437-61	METAL GLAZE	1K	2%	1/10W

SEE ADDITIONAL INFORMATION

AMP LAMP

Ref. No.	Part No.	Description	Remark
R382	1-208-437-61	METAL GLAZE 1K 2% 1/10W	
		< TRANSFORMER >	
T151	1-427-920-11	TRANSFORMER, DC-DC CONVERTER	
T251	1-427-920-11	TRANSFORMER, DC-DC CONVERTER	
		< THERMISTOR >	
TH351	1-808-779-11	THERMISTOR	
TH352	1-808-779-11	THERMISTOR	
TH353	1-808-779-11	THERMISTOR	
TH354	1-808-779-11	THERMISTOR	
		< VARIABLE RESISTOR >	
VR101	1-241-759-21	RES, ADJ, CARBON 220	
VR201	1-241-759-21	RES, ADJ, CARBON 220	
VR301	1-238-585-11	RES, VAR, CARBON 5K/5K (LOW BOOST(40Hz))	
VR302	1-238-585-11	RES, VAR, CARBON 5K/5K (LEVEL)	
*	1-656-463-11	LAMP BOARD	
		< DIODE >	
D355	8-719-025-34	DIODE 02CZ6.8-TE85L	
		< PILOT LAMP >	
PL351	1-517-460-21	LAMP, PILOT (GREEN) (POWER/PROTECTOR)	
PL352	1-517-460-11	LAMP, PILOT (RED) (POWER/PROTECTOR)	
		< TRANSISTOR >	
Q351	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q352	8-729-207-60	TRANSISTOR RN1405	
Q358	8-729-106-68	TRANSISTOR 2SD1615A-GP	
		< RESISTOR >	
R351	1-249-768-91	CARBON 39 1% 1/2W	
R352	1-216-659-11	METAL CHIP 2.2K 0.5% 1/10W	
R353	1-216-659-11	METAL CHIP 2.2K 0.5% 1/10W	
R354	1-218-780-11	METAL CHIP 270 5% 1/4W	
		MISCELLANEOUS	
F151	1-532-947-11	FUSE (BRADE TYPE) (AUTO FUSE) (25.0A)	
F251	1-532-947-11	FUSE (BRADE TYPE) (AUTO FUSE) (25.0A)	

Ref. No.	Part No.	Description	Remark
		ACCESSORIES & PACKING MATERIALS	
*	3-701-616-01	BAG, POLYETHYLENE	
*	3-701-634-00	BAG, POLYETHYLENE	
	3-800-207-11	MANUAL, INSTRUCTION (GERMAN, ITALIAN) (AEP, UK)	
	3-800-207-21	MANUAL, INSTRUCTION (ENGLISH, FRENCH)	
	3-800-207-31	MANUAL, INSTRUCTION (SPANISH, PORTUGUESE) (AEP, UK, E)	
	3-800-207-41	MANUAL, INSTRUCTION (SWEDISH, DUTCH) (AEP, UK)	
	3-927-239-01	SCREW (+PTT 5X35)	

HARDWARE LIST

#1	7-685-144-11	B 3X5
#2	7-685-548-11	B 3X12
#3	7-685-662-11	B 4X15
#4	7-685-750-09	S 3X5
#5	7-685-546-19	P 3X8
#6	7-682-152-01	SCREW M3X16

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XM-2100G

SONY

SERVICE MANUAL

US Model
Canadian Model
AEP Model
UK Model
E Model

SUPPLEMENT-1

File this Supplement with the Service Manual.

Subject : ELECTRICAL PARTS LIST

(ENG-96016)

		Before change			After change		
Page	Ref. No.	Part No.	Description	Remark	Part No.	Description	Remark
17	—	———	———	———	1-782-013-11	CORD (WITH CONNECTOR) (REMOTE CONTROL)	

9-923-402-81

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CORRECTION-1

Correct your service manual as shown below.

☛ : **Indicate corrected portion**

Page	INCORRECT			CORRECT	
	No.	Part No.	Description	Part No.	Description
12	1	3-925-536-01	EMBLEM (MOBIL ES)	3-933-978-01 ☛	EMBLEM (10HM DRIVE) (AEP, UK, E)
				3-925-536-01 ☛	EMBLEM (MOBIL ES) (US, CANADIAN)

(ENG-96013)

9-923-402-91

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E Model

CORRECTION-2

Correct your service manual as shown below.

☛ : **Indicates corrected portion.**

Page	INCORRECT				CORRECT			
	Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
14	L151	1-424-112-11	COIL, CHOKE 7.5uH		L151	1-406-692-11 ☛	COIL, CHOKE 0.2mH ☛	
	L152	1-424-112-11	COIL, CHOKE 7.5uH		L152	1-406-692-11 ☛	COIL, CHOKE 0.2mH ☛	

(ECN-CSA20800)

9-923-402-92

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